

Myosin Light Chain 2, Regulatory, Cardiac (MYL2) Recombinant Protein | MYL2 recombinant protein

Recombinant Myosin Light Chain 2, Regulatory, Cardiac (MYL2)

CATALOG # AAA134520	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
-------------------------------	-----------------------	---

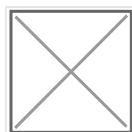
PRODUCT SYNONYMS

Myosin Light Chain 2; Regulatory; Cardiac (MYL2); Recombinant Myosin Light Chain 2; MYL2 recombinant protein

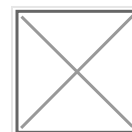
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	Thetargetp roteinisfu sedwithN-t erminalHis -Tag,itsse quenceisli stedbelow. MGHHHH HHSGSEF-AP KKAKKRAGGA NSNVFSMFEQ TQIQEFKEAF TIMDQNRDGF IDKNDLRDTF AALGRVNVKN EEIDEMIKEA PGPINFVFL TMFGEKLKGA DPEETILNAF KVFDPEGKGV LKADYVREML TTQAERFSKE EVDQMFAAFP PDVTGNLDYK NLVHII
Sequence Length	166
Applicable Applications for MYL2 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Homo sapiens (Human)
Expression System	Prokaryotic expression
Residues	Ala2~Ile159 (Accession # P10916) with N-terminal His-Tag
Subcellular Location	Cytoplasm, myofibril, sarcomere, A band
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	5.5
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	94981553
NCBI GeneID	4633
NCBI Accession #	NP_000423.2
NCBI GenBank Nucleotide #	NM_000432.3
UniProt Accession #	P10916; Q16123
Molecular Weight	19.4kDa
NCBI Official Full Name	myosin regulatory light chain 2, ventricular/cardiac muscle isoform
NCBI Official Synonym Full Names	myosin, light chain 2, regulatory, cardiac, slow
NCBI Official Symbol	MYL2
NCBI Official Synonym Symbols	MLC2; CMH10
NCBI Protein Information	myosin regulatory light chain 2, ventricular/cardiac muscle isoform; MLC-2; MLC-2v; RLC of myosin; myosin light chain 2; regulatory light chain of myosin; cardiac ventricular myosin light chain 2; slow cardiac myosin regulatory light chain 2; myosin, light polypeptide 2, regulatory, cardiac, slow
UniProt Protein Name	Myosin regulatory light chain 2, ventricular/cardiac muscle isoform
UniProt Gene Name	MYL2
UniProt Synonym Gene Names	MLC-2; MLC-2v
UniProt Entry Name	MLRV_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/myl2-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134520>